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Datasheet for ABIN7125962

**SIGLEC7 Protein (Glu201Ala-Mutant, Gly120Ala-Mutant, Leu118Ala-Mutant) (Fc Tag)**

## Overview

Quantity:	50 µg
Target:	SIGLEC7
Protein Characteristics:	Glu201Ala-Mutant, Gly120Ala-Mutant, Leu118Ala-Mutant
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SIGLEC7 protein is labelled with Fc Tag.

## Product Details

Purpose:	Human Siglec-7 / CD328 Protein, Fc (L118A, G120A, E201A) Tag (MALS verified)
Sequence:	Gln 19 - Leu 353
Characteristics:	Human Siglec-7, Fc (L118A, G120A, E201A) Tag is expressed from human 293 cells (HEK293). It contains AA Gln 19 - Leu 353 (Accession # Q9Y286-1).
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 0.01 EU per µg by the LAL method.
Grade:	MALS verified

## Target Details

Target:	SIGLEC7
Alternative Name:	Siglec-7 / CD328 ( <a href="#">SIGLEC7 Products</a> )

## Target Details

Background:	<p>Synonyms: CDw328,D-siglec,A79 membrane protein,p75,Adhesion inhibitory receptor molecule 1, AIRM-1,</p> <p>Siglec-7 is a member of the human CD33-related Siglec receptor. The extracellular region of Siglec-7 is characterized by an N-terminal V-set Ig domain that can bind sialic acid and two C2-set Ig domains. The cytoplasmic tail of Siglec-7 has one immune-receptor tyrosine-based inhibitory motif (ITIM) and one ITIM-like motif. Siglec-7 is considered as a sialic acid-dependent immunoreceptor with inhibitory potential and expressed predominantly on human NK cells, monocytes and a small subset of CD8+ T cells.</p>
Molecular Weight:	63.3 kDa
NCBI Accession:	<a href="#">NP_055200</a>

## Application Details

Application Notes:	<p>This protein carries a Fc (L118A, G120A, E201A) tag at the C-terminus. The protein has a calculated MW of 63.3 kDa. The protein migrates as 70-90 kDa under reducing (R) condition due to glycosylation. Mutations (L118A, G120A, E201A /EU number: L235A/G237A/E318A) in human immunoglobulin G1 (hlgG1) Fc strongly reduce binding of the Fc mutant to cell expressed FcγRs, resulting in an almost 4-fold reduction in ADCC compared to that of wild type human IgG1.</p>
Restrictions:	For Research Use only

## Handling

Format:	Lyophilized
Buffer:	25 mM MES, 150 mM NaCl
Storage:	-20 °C
Storage Comment:	-20°C